

PAT-NO: JP405186813A
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TITLE: PRODUCTION OF HIGH
CLEANLINESS AND EXTREMELY
LOW CARBON STEEL
PUBN-DATE: July 27, 1993

INVENTOR-INFORMATION:

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INT-CL (IPC): C21C007/00 , C21C007/04 ,
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US-CL-CURRENT: 75/508

ABSTRACT:

PURPOSE: To provide a producing method of high purity and high cleanliness steel.

CONSTITUTION: Metallic magnesium or magnesium alloy is added into molten steel decarburized under reduced pressure by a vacuum degassing apparatus and thereafter, further the reduced pressure treatment is executed. The added magnesium is reacted with oxygen in the molten steel to make magnesia and the magnesia is dispersed into the molten steel, and by executing the reduced pressure treatment after that, the decarburization is executed by the oxygen in the magnesia as the supplying source. By this method, the high purity and high cleanliness steel is obtd.

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